

WHAT IS CLAIMED IS:

1. An instruction inputting device comprising:
 - an input component which inputs positional information of a light-emitting component, which is measured on the basis of light-reception conditions of light emitted from the light-emitting component, being mountable on a user;
 - a detection component which, on the basis of the input positional information, detects a physical quantity of speed in accordance with movement of the light-emitting component;
 - a decision making component which, on the basis of the physical quantity of the detected speed, decides whether or not the movement of the light-emitting component corresponds to pre-specified movement; and
 - an instruction component which, if it is decided that the movement of the light-emitting component corresponds to the pre-specified movement, issues a command to execute a process associated with the pre-specified movement.

2. The instruction inputting device of claim 1, further comprising a storage component which stores movement information representing a plurality of distinctively pre-specified movement,

wherein the decision making component includes:

a selection component which selects information of at

least one movement that corresponds to the movement of the light-emitting component from the stored information of the plurality of movement; and

a verification component which verifies whether or not the movement of the light-emitting component corresponds to movement represented by the movement information that has been selected by the selection component.

3. The instruction inputting device of claim 2, wherein the movement information comprises information of a time series of positions,

the input component inputs the positional information to form a time series, and

the selection component selects the information of at least one movement on the basis of the positional information that has been input to the time series.

4. The instruction inputting device of claim 2, wherein the verification component verifies whether or not the movement of the light-emitting component corresponds to the movement represented by the movement information selected by the selection component on the basis of the detected physical quantity of speed.

5. The instruction inputting device of claim 1, wherein the physical quantity of speed comprises at least one of acceleration

and velocity according to the movement of the light-emitting component.

6. The instruction inputting device of claim 1, further comprising:

a display component which displays information of a target for which execution of processing is to be instructed and designation information for designating the target information; and

a display control component which controls the display component such that a position of the designation information changes in accordance with a change of the input positional information,

wherein, if it is decided that the movement of the light-emitting component corresponds to the pre-specified movement, the display component instructs an execution of the processing that is associated with the pre-specified movement for the target information that is designated by the designation information.

7. The instruction inputting device of claim 6, wherein the instruction component instructs an execution of the processing that is associated with the pre-specified movement for the target information that is designated by the designation information, during the movement of the light-emitting component for which it has been decided that the movement of the light-emitting

component corresponds to the pre-specified movement.

8. The instruction input device of claim 1, wherein the pre-specified movement comprises movement which reciprocates once in a predetermined direction.

9. The instruction inputting device of claim 8, wherein the pre-specified movement includes the movement which reciprocates once in a predetermined direction, within predetermined duration,

the instruction inputting device further includes a calculation component which calculates duration relating to the movement of the light-emitting component, and

the decision making component decides whether or not the movement of the light-emitting component is the pre-specified movement on the basis of the detected physical quantity of speed and the duration calculated by the calculation component.

10. The instruction inputting device of claim 1, wherein the pre-specified movement comprises movement which reciprocates twice in a predetermined direction.

11. The instruction inputting device of claim 10, wherein the pre-specified movement includes the movement which reciprocates twice in a predetermined direction, within

predetermined duration,

the instruction inputting device further includes a calculation component which calculates duration relating to the movement of the light-emitting component, and

the decision making component decides whether or not the movement of the light-emitting component is the pre-specified movement on the basis of the detected physical quantity of speed and the duration calculated by the calculation component.

12. The instruction inputting device of claim 1, wherein the pre-specified movement comprises movement which moves in a predetermined direction and, after moving in the predetermined direction, further moves in at least one of the predetermined directions, a direction perpendicular to the predetermined direction and a direction between these aforementioned two directions.

13. The instruction inputting device of claim 12, wherein the pre-specified movement includes the movement which moves in a predetermined direction and, after moving in the predetermined direction, further, after predetermined duration has passed, moves in the at least one of the predetermined directions, a direction perpendicular to the predetermined direction and the direction between these aforementioned two directions,

the instruction inputting device further includes a calculation component which calculates duration relating to the movement of the light-emitting component, and

the decision making component decides whether or not the movement of the light-emitting component is the pre-specified movement on the basis of the detected physical quantity of speed and the duration calculated by the calculation component.

14. The instruction inputting device of claim 1, wherein the pre-specified movement comprises movement which moves in a direction opposite to a predetermined direction.

15. The instruction inputting device of claim 1, wherein the pre-specified movement comprises a state of being quiescent.

16. The instruction inputting device of claim 15, wherein the pre-specified movement includes the state of being quiescent, for predetermined duration,

the instruction inputting device further includes a calculation component which calculates duration relating to the movement of the light-emitting component, and

the decision making component decides whether or not the movement of the light-emitting component includes the state of being quiescent for the predetermined duration on the basis of the detected physical quantity of speed and the duration

calculated by the calculation component.

17. The instruction inputting device of claim 1, further comprising a calculation component which calculates duration relating to the movement of the light-emitting component, wherein the decision making component decides whether or not the movement of the light-emitting component corresponds to the pre-specified movement on the basis of the detected physical quantity of being speed and the calculated duration.

18. The instruction inputting device of claim 1, wherein, when the decision making component decides whether or not the movement of the light-emitting component corresponds to the pre-specified movement, the decision making component applies a tolerance to at least one of the movement of the light-emitting component and the pre-specified movement.

19. The instruction inputting device of claim 6, wherein the display control component controls so as to alter a display condition of the designation information in accordance with the detected physical quantity of speed.

20. The instruction inputting device of claim 19, wherein the display control component controls so as to alter at least one of shape, size and color of the designation information in

accordance with the detected physical quantity of speed.

21. The instruction inputting device of claim 20, wherein the display control component controls so as to alter a size of target information that is displayed within a predetermined distance from the position of the designation information.

22. The instruction inputting device of claim 1, further comprising:

a sound generation component for generating sound; and
a sound output control component which controls the sound generation component so as to alter a sound generation condition in accordance with the detected physical quantity of speed.

23. An instruction inputting method comprising the steps of:

(a) measuring positional information of a light-emitting component on the basis of light-reception conditions of light emitted from the light-emitting component, which is mountable on a user;

(b) inputting the positional information measured in the step (a);

(c) on the basis of the input positional information, detecting a physical quantity of speed in accordance with movement of the light-emitting component;

(d) on the basis of the detected physical quantity of speed,

deciding whether or not the movement of the light-emitting component corresponds to pre-specified movement; and

(e) if it is decided that the movement of the light-emitting component corresponds to the pre-specified movement, instructing an execution of processing that is associated with the pre-specified movement.